

ASDSF  
20.24.4 V3

RECEIVED  
MAR 16 2010  
Environmental  
Cleanup Office



5129 N. Shirley St. Suite 100 | Ruston, WA 98407

March 15, 2009

Mr. Kevin L. Rochlin  
Remedial Project Manager  
U.S. Environmental Protection Agency  
Region 10  
1200 Sixth Avenue, ECL-111  
Seattle, WA 98101

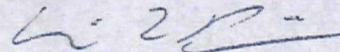
RE: Monthly Report: No. 165, February 2010  
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. Point Ruston will continue to provide monthly reports to EPA for the site organized in the same manner as previous reports prepared by Asarco to follow item (a) through (g) of this paragraph.

If you have any questions, please call me.

Sincerely,



Eric Pilcher, P.E.  
Project Coordinator

Attachment (2 copies)

cc: Chung Ki Yee - Washington Department of Ecology  
Evan Griffiths - CH2MHill (2 copies)  
Leslie Ann Rose - Citizens for a Healthy Bay  
Karen Pickett - ASARCO



Monthly Report 165, February 2010  
Operable Unit 02  
Asarco Tacoma Smelter Site

*A. Actions taken to achieve compliance with the Consent Decree during the previous month.*

1. Met with EPA on February 5<sup>th</sup> and 19<sup>th</sup>.
2. Continued weekly site- maintenance logs (see attached).
3. Maintained clean work area and road.
4. Remedial Action activities continued.
5. Training activities include the following:
  - Site specific Safety Orientation (Clean Zone) was held for personnel of the following companies:
    - i. (3) Diamond Concrete workers
    - ii. (1) Point Ruston workers
  - Site Specific Safety Orientation (Exclusion Zone) was held for personnel of the following companies:
    - i. (10) City of Tacoma workers
    - ii. (2) Azure Green workers
    - iii. (1) Point Ruston worker
    - iv. (1) Otto Rosenau worker

*B. Summary of sampling, tests, and all other data received or generated by Point Ruston in the previous month.*

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003 which Point Ruston will continue to implement: weekly composite samples will be collected from May-October, and in December, February, and April.

In addition to the North and South Outfalls, Point Ruston resumed monitoring of an existing, upland station near the southeastern end of the car tunnel. This monitoring station is designated OSW2. Samples were collected by Point Ruston on February 8<sup>th</sup>, 15<sup>th</sup>, 22<sup>nd</sup>, and March 1<sup>st</sup>. There were no exceedances.

Monthly Report 165, February 2010  
Operable Unit 02  
Asarco Tacoma Smelter Site

2. Point Ruston collects OCF leachate in a 5,000 gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 117 gallons per day on the LCRS (see attached correspondence and data). 4,500 gallons of leachate were pumped and shipped on February 24<sup>th</sup>. The leachate was sampled on February 8<sup>th</sup> (5.6ppm).
3. Point Ruston performs perimeter air monitoring at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), South Gate. Results for samples collected from January 25<sup>th</sup> through February 12<sup>th</sup> are attached. There were no exceedances.
4. Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1)(a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. No personal air monitoring was performed in February.

C. *Work Plans and other deliverables completed and submitted during the previous month.*

- Plans and Documents included the following:
  - Point Ruston received EPA's comments on revisions to the Phase I CMP on February 1<sup>st</sup>.
  - Point Ruston received City of Tacoma/Town of Ruston comments on the Roadway Design Plans on February 9<sup>th</sup>. Revised plans were re-submitted on February 24<sup>th</sup>.
  - Point Ruston received City of Tacoma comments on the Sanitary Sewer on February 22<sup>nd</sup>. This submittal is for that portion of the City of Tacoma trunk line in Ruston as well as Ruston's mains that connect to the city trunk line. Re-submittal is pending based on Baltimore Street coordination with Town of Ruston.
  - Approved Road and Sewer plans will supersede those included in Appendix B of the Master Infrastructure CMP.
- Remedial Action included the following tasks:
  - OCF construction activities:
    - Maintained leachate collection system.
  - Stack Hill construction activities:
    - Maintained erosion and surface water controls; specifically on Commercial Street cul-de-sac area

Monthly Report 165, February 2010  
Operable Unit 02  
Asarco Tacoma Smelter Site

- Continued home construction
- Maintained site perimeter fence and signage at the north end of Stack Hill.
- Site-wide remediation/redevelopment activities:
  - Continued surface water controls
  - Maintained haul roads and stockpiles onsite
  - Maintained erosion and surface water controls
  - Continued construction of Sanitary and Storm Sewer.

*D. Actions scheduled for the next six weeks.*

1. Continue construction of public infrastructure
2. Address comments on the Upland OMMP (3/5/2010)
3. Submit Point Ruston CC&Rs (3/5/2010)
4. Submit a Sequencing of Development and Occupancy and Temporary Cap Plan
5. Submit Revision 5 of the Construction Health and Safety Plan together with an updated Spanish translation
6. Address EPA comments received on the Phase I CMP and any pending comments on the Master Infrastructure CMP
7. The following Remedial Action tasks are planned to continue:

**RA Monitoring:**

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring during remedial action activities

**OCF OMMP activities:**

- c. Continue collection of leachate for offsite disposal
- d. Continue monitoring of leachate volumes

**Stack Hill construction activities:**

- e. Erosion controls and site maintenance
- f. Continue home construction
- g. Begin face cap installation

**Site-wide construction activities:**

- h. Continue surface water controls
- i. Maintain roads and stockpiles onsite
- j. Maintain erosion controls
- k. Construction activities for mass grading and Master Infrastructure
- l. Installation of deep Public Storm Sewer main in Ruston Way, Private on-site Storm Sewer main and Public Sanitary Sewer main.

Monthly Report 165, February 2010  
Operable Unit 02  
Asarco Tacoma Smelter Site

*E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.*

1. Point Ruston is continuing to work with the City of Tacoma & Town of Ruston to secure permits associated with the Master Infrastructure CMP and Phase I CMP.
2. Point Ruston is coordinating with BNSF to secure grade, fill, access and utility rights upon property adjacent to Ruston Way.
3. Shoreline Substantial Development Permits (Tacoma and Ruston) and Conditional Use Permit (Ruston) have been approved in both municipalities.
  - a. An appeal of the city of Tacoma SSDP/CUP has been filed to the State Shoreline Hearing Board. The hearing was held on February 1<sup>st</sup>.
  - b. All appeals against the Town of Ruston shoreline permit(s) have been concluded.
4. Dock Removal: Point Ruston and DNR have agreed to solicit bids for the project by February, 2010.

*F. Modifications to work plans or schedules proposed to or approved by EPA.*

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston submitted a Request for Schedule Modification to Attachment 1 of the Final Statement of Work on February 9, 2010.

*G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.*

1. Point Ruston is working with the Town of Ruston and City of Tacoma on development plans which incorporate remediation components for the site.
2. Point Ruston is working with MetroParks to incorporate the capping component into the Peninsula Park design. A Memorandum of "Agreement to collaborate with Point Ruston, LLC on the design and remediation plan for Breakwater Peninsula" was approved by the Board of Commissioners on January 25<sup>th</sup>.

Monthly Report 165, February 2010  
Operable Unit 02  
Asarco Tacoma Smelter Site

3. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.

Table 1. Summary of February 2010 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.080	16.00%	0.035	7.00%	0.083	16.50%
OSW2	0.045	9.05%	0.010	2.00%	0.013	2.50%
North Outfall	0.049	9.85%	0.068	13.50%	0.033	6.50%

\* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.



ENERGY LABORATORIES, INC. \* 1120 S 27th St \* PO Box 30916 \* Billings, MT 59107-0916  
Toll Free 800.735.4489 \* 406.252.6325 \* FAX 406.252.6069 \* eli@energylab.com

## ANALYTICAL SUMMARY REPORT

March 08, 2010

Tim Rusher  
Point Ruston LLC  
5219 N Shirley St Ste 100  
Tacoma, WA 98407

RECEIVED  
MAR 11 2010  
BY:

Workorder No.: B10030173

Project Name: Tacoma Smelter Outfall Samples

Energy Laboratories Inc received the following 12 samples for Point Ruston LLC on 3/2/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B10030173-001	TSM0210408, N	02/08/10 10:55	03/02/10	Aqueous	Metals by ICP/ICPMS, Total Metals Preparation by EPA 200.2
B10030173-002	TSM0210108, S	02/08/10 10:42	03/02/10	Aqueous	Same As Above
B10030173-003	TSM0210208, OSW	02/08/10 10:43	03/02/10	Aqueous	Same As Above
B10030173-004	TSM0210415, N	02/15/10 10:24	03/02/10	Aqueous	Same As Above
B10030173-005	TSM0210115, S	02/15/10 10:09	03/02/10	Aqueous	Same As Above
B10030173-006	TSM0210215, OSW	02/15/10 10:10	03/02/10	Aqueous	Same As Above
B10030173-007	TSM0210422, N	02/22/10 10:35	03/02/10	Aqueous	Same As Above
B10030173-008	TSM0210122, S	02/22/10 10:20	03/02/10	Aqueous	Same As Above
B10030173-009	TSM0210222, OSW	02/22/10 10:21	03/02/10	Aqueous	Same As Above
B10030173-010	TSM0310401, N	03/01/10 11:37	03/02/10	Aqueous	Same As Above
B10030173-011	TSM0310101, S	03/01/10 11:24	03/02/10	Aqueous	Same As Above
B10030173-012	TSM0310201, OSW	03/01/10 11:25	03/02/10	Aqueous	Same As Above

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

Cindy Rohrer  
Inorganic Department Manager

Digitally signed by  
Cindy Rohrer  
Date: 2010.03.08 14:57:52 -07:00



## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter Outfall Samples  
Lab ID: B10030173-001  
Client Sample ID TSM0210408, N

Report Date: 03/08/10  
Collection Date: 02/08/10 10:55  
Date Received: 03/02/10  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.027	mg/L		0.005	E200.8		03/04/10 01:51 / jjw
Copper	0.03	mg/L		0.01	E200.8		03/04/10 01:51 / jjw
Zinc	0.02	mg/L		0.01	E200.8		03/06/10 02:35 / tao

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



ENERGY LABORATORIES, INC. \* 1120 S 27th St \* PO Box 30916 \* Billings, MT 59107-0916  
Toll Free 800.735.4489 \* 406.252.6325 \* FAX 406.252.6069 \* eli@energylab.com

## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter Outfall Samples  
Lab ID: B10030173-002  
Client Sample ID TSM0210108, S

Report Date: 03/08/10  
Collection Date: 02/08/10 10:42  
Date Received: 03/02/10  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.093	mg/L		0.005	E200.8		03/04/10 01:55 / jjw
Copper	0.04	mg/L		0.01	E200.8		03/04/10 01:55 / jjw
Zinc	0.15	mg/L		0.01	E200.8		03/06/10 02:40 / tao

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

**LABORATORY ANALYTICAL REPORT**

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10030173-003  
**Client Sample ID** TSM0210208, OSW

**Report Date:** 03/08/10  
**Collection Date:** 02/08/10 10:43  
**DateReceived:** 03/02/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.043	mg/L		0.005	E200.8		03/04/10 02:00 / jw
Copper	0.01	mg/L		0.01	E200.8		03/04/10 02:00 / jw
Zinc	0.01	mg/L		0.01	E200.8		03/06/10 02:44 / tao

**Report Definitions:** RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



ENERGY LABORATORIES, INC. \* 1120 S 27th St \* PO Box 30916 \* Billings, MT 59107-0916  
Toll Free 800.735.4489 \* 406.252.6325 \* FAX 406.252.6069 \* eli@energylab.com

## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter Outfall Samples  
Lab ID: B10030173-004  
Client Sample ID TSM0210415, N

Report Date: 03/08/10  
Collection Date: 02/15/10 10:24  
Date Received: 03/02/10  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.088	mg/L		0.005	E200.8		03/04/10 02:04 / jjw
Copper	0.12	mg/L		0.01	E200.8		03/04/10 02:04 / jjw
Zinc	0.05	mg/L		0.01	E200.8		03/06/10 02:49 / tao

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter Outfall Samples  
Lab ID: B10030173-005  
Client Sample ID TSM0210115, S

Report Date: 03/08/10  
Collection Date: 02/15/10 10:09  
Date Received: 03/02/10  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.076	mg/L		0.005	E200.8		03/04/10 02:27 / jjw
Copper	0.04	mg/L		.01	E200.8		03/04/10 02:27 / jjw
Zinc	0.05	mg/L		0.01	E200.8		03/06/10 02:53 / tao

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



ENERGY LABORATORIES, INC. \* 1120 S 27th St \* PO Box 30916 \* Billings, MT 59107-0916  
Toll Free 800.735.4489 \* 406.252.6325 \* FAX 406.252.6069 \* eli@energylab.com

## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter Outfall Samples  
Lab ID: B10030173-006  
Client Sample ID TSM0210215, OSW

Report Date: 03/08/10  
Collection Date: 02/15/10 10:10  
Date Received: 03/02/10  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.044	mg/L		0.005	E200.8		03/04/10 02:32 / jjw
Copper	0.01	mg/L		0.01	E200.8		03/04/10 02:32 / jjw
Zinc	0.01	mg/L		0.01	E200.8		03/06/10 03:16 / tao

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



ENERGY LABORATORIES, INC. \* 1120 S 27th St \* PO Box 30916 \* Billings, MT 59107-0916  
Toll Free 800.735.4489 \* 406.252.6325 \* FAX 406.252.6069 \* eli@energylab.com

## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter Outfall Samples  
Lab ID: B10030173-007  
Client Sample ID TSM0210422,N

Report Date: 03/08/10  
Collection Date: 02/22/10 10:35  
Date Received: 03/02/10  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.056	mg/L		0.005	E200.8		.03/04/10 02:36 / jjw
Copper	0.09	mg/L		0.01	E200.8		03/04/10 02:36 / jjw
Zinc	0.04	mg/L		0.01	E200.8		03/06/10 03:21 / tao

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

**LABORATORY ANALYTICAL REPORT**

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10030173-008  
**Client Sample ID** TSM0210122, S

**Report Date:** 03/08/10  
**Collection Date:** 02/22/10 10:20  
**DateReceived:** 03/02/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.074	mg/L		0.005	E200.8		03/04/10 02:41 / jw
Copper	0.03	mg/L		0.01	E200.8		03/04/10 02:41 / jw
Zinc	0.08	mg/L		0.01	E200.8		03/06/10 03:25 / tao

**Report Definitions:** RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



ENERGY LABORATORIES, INC. \* 1120 S 27th St \* PO Box 30916 \* Billings, MT 59107-0916  
Toll Free 800.735.4489 \* 406.252.6325 \* FAX 406.252.6069 \* eli@energylab.com

## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter Outfall Samples  
Lab ID: B10030173-009  
Client Sample ID TSM0210222,OSW

Report Date: 03/08/10  
Collection Date: 02/22/10 10:21  
Date Received: 03/02/10  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.047	mg/L		0.005	E200.8		03/04/10 02:45 / jjw
Copper	0.01	mg/L		0.01	E200.8		03/04/10 02:45 / jjw
Zinc	0.01	mg/L		0.01	E200.8		03/06/10 03:30 / tao

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



ENERGY LABORATORIES, INC. \* 1120 S 27th St \* PO Box 30916 \* Billings, MT 59107-0916  
Toll Free 800.735.4489 \* 406.252.6325 \* FAX 406.252.6069 \* eli@energylab.com

## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter Outfall Samples  
Lab ID: B10030173-010  
Client Sample ID TSM0310401, N

Report Date: 03/08/10  
Collection Date: 03/01/10 11:37  
Date Received: 03/02/10  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.026	mg/L		0.005	E200.8		03/04/10 02:50 / jjw
Copper	0.03	mg/L		0.01	E200.8		03/04/10 02:50 / jjw
Zinc	0.02	mg/L		0.01	E200.8		03/06/10 03:34 / tao

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

**LABORATORY ANALYTICAL REPORT**

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter Outfall Samples  
**Lab ID:** B10030173-011  
**Client Sample ID** TSM0310101, S

**Report Date:** 03/08/10  
**Collection Date:** 03/01/10 11:24  
**DateReceived:** 03/02/10  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.077	mg/L		0.005	E200.8		03/04/10 02:54 / jjw
Copper	0.03	mg/L		0.01	E200.8		03/04/10 02:54 / jjw
Zinc	0.05	mg/L		0.01	E200.8		03/06/10 03:39 / tao

**Report Definitions:** RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter Outfall Samples  
Lab ID: B10030173-012  
Client Sample ID TSM0310201, OSW

Report Date: 03/08/10  
Collection Date: 03/01/10 11:25  
Date Received: 03/02/10  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.047	mg/L		0.005	E200.8		03/04/10 02:59 / jjw
Copper	0.01	mg/L		0.01	E200.8		03/04/10 02:59 / jjw
Zinc	0.02	mg/L		0.01	E200.8		03/06/10 03:43 / tao

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## QA/QC Summary Report

**Client:** Point Ruston LLC

**Report Date:** 03/08/10

**Project:** Tacoma Smelter Outfall Samples

**Work Order:** B10030173

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method:</b> E200.8									Analytical Run: ICPMS203-B_100303A
<b>Sample ID:</b> QCS-090929A,091215A,0	Initial Calibration Verification Standard								03/03/10 11:19
Arsenic	0.0497	mg/L	0.0010	99	90	110			
Copper	0.0509	mg/L	0.0010	102	90	110			
<b>Method:</b> E200.8									Batch: 44830
<b>Sample ID:</b> MB-44830	Method Blank								Run: ICPMS203-B_100303A 03/04/10 00:48
Arsenic	ND	mg/L	5E-05						
Copper	ND	mg/L	0.0001						
Zinc	0.002	mg/L	0.0004						
<b>Sample ID:</b> LCS5-44830	Laboratory Control Sample								Run: ICPMS203-B_100303A 03/04/10 00:53
Arsenic	0.505	mg/L	0.0050	101	85	115			
Copper	0.483	mg/L	0.010	97	85	115			
Zinc	0.507	mg/L	0.010	101	85	115			
<b>Sample ID:</b> B10030144-003BMS5	Sample Matrix Spike								Run: ICPMS203-B_100303A 03/04/10 01:29
Arsenic	0.516	mg/L	0.0050	103	70	130			
Copper	0.488	mg/L	0.010	97	70	130			
Zinc	0.772	mg/L	0.010	100	70	130			
<b>Sample ID:</b> B10030144-003BMSD5	Sample Matrix Spike Duplicate								Run: ICPMS203-B_100303A 03/04/10 01:33
Arsenic	0.518	mg/L	0.0050	103	70	130	0.4	20	
Copper	0.491	mg/L	0.010	98	70	130	0.7	20	
Zinc	0.780	mg/L	0.010	101	70	130	1	20	
<b>Method:</b> E200.8									Analytical Run: ICPMS203-B_100305A
<b>Sample ID:</b> QCS-090929A,091215A,1	Initial Calibration Verification Standard								03/05/10 22:25
Zinc	0.0492	mg/L	0.010	98	90	110			
<b>Method:</b> E200.8									Batch: 44830
<b>Sample ID:</b> MB-44830	Method Blank								Run: ICPMS203-B_100305A 03/06/10 02:31
Arsenic	8E-05	mg/L	5E-05						
Copper	0.0003	mg/L	0.0001						
Zinc	0.002	mg/L	0.0004						

**Qualifiers:**

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

# Workorder Receipt Checklist

**Point Ruston LLC****B10030173**

Login completed by: Darwin C. Miller

Date Received: 3/2/2010

Reviewed by: BL2000\kmcdonald

Received by: dcm

Reviewed Date: 3/3/2010

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	11°C		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

---

**Contact and Corrective Action Comments:**

None

## CHAIN OF CUSTODY RECORD

PAGE 1 OF 1POINT  
RUSTON5219 N. Shirley St., Suite 100 Tacoma, WA 98407  
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO	PROJECT NAME				NO. OF CONTAINERS	ASX C124	REMARKS
JACOMA SMOELTER	OUTFALLS SAMPLES						
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
3/8/10 N		10:56	/		TSM0210408	1 ✓	B10030173-001
3/8/10 S		10:42	✓		TSM0210108	1 ✓	-002
3/8/10 OSW		10:43	✓		TSM0210208	1 ✓	-003
3/15/10 N		10:24	✓		TSM0210415	1 ✓	-004 PLEASE EMAIL RESULTS TO:
3/15/10 S		10:09	✓		TSM0210115	1 ✓	-005 Tom@ <u>PointRuston.com</u>
3/15/10 OSW		10:10	✓		TSM0210215	1 ✓	-006
3/22/10 N		10:25	✓		TSM0210422	1 ✓	-007
3/22/10 S		10:20	✓		TSM0210122	1 ✓	-008
3/22/10 OSW		10:21	✓		TSM0210222	1 ✓	-009
3/11/10 N		11:37	✓		TSM0310401	1 ✓	-010
3/11/10 S		11:24	✓		TSM0310101	1 ✓	-011
3/11/10 OSW		11:25	✓		TSM0310201	1 ✓	-012
<i>THANK YOU</i>							
Relinquished (Signature)	Date/Time	Received by: (Signature)			Lab	Shipped via <u>FedEx</u> , UPS or Other _____ Air Bill # _____	
<i>Ruth</i>	3/11/10 FedEx						
Relinquished (Signature)	Date/Time	Received by: (Signature)			Remarks	<i>Seals on bottles</i>	
Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)			Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
	3/2/10 9:15	<i>Dan M.</i>					
Split Samples: [Accepted] [Declined]							
Signature							



ENERGY LABORATORIES, INC. \* 1120 S 27th St \* PO Box 30916 \* Billings, MT 59107-0916  
Toll Free 800.735.4489 \* 406.252.6325 \* FAX 406.252.6069 \* eli@energylab.com

## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: OCF-Leachate Tank  
Lab ID: B10020690-001  
Client Sample ID TSM021008

Report Date: 02/16/10  
Collection Date: 02/08/10 10:21  
Date Received: 02/09/10  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	5.6	mg/L		0.1		E200.7	02/12/10 17:22 / tao



Report Definitions:  
Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



# SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

FEB 18 2010

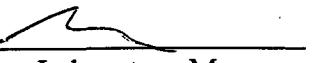
02/12/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)  
Date Received: 02/02/2010  
Spectra Project: 2010020028

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8231130	1	Arsenic	0.05	µg/m3	SW846 6010B	Filter	01/25/2010
8231130	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/25/2010
8231129	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/25/2010
8231129	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/25/2010
8231128	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/25/2010
8231128	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/25/2010
8231127	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/26/2010
8231127	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/26/2010
8231126	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/26/2010
8231126	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/26/2010
8231125	6	Arsenic	0.07	µg/m3	SW846 6010B	Filter	01/26/2010
8231125	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/26/2010
8231123	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/27/2010
8231123	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/27/2010
8231122	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/27/2010
8231122	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/27/2010

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

# SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

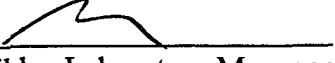
02/12/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)  
Date Received: 02/02/2010  
Spectra Project: 2010020028

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8231120	9	Arsenic	0.11	µg/m3	SW846 6010B	Filter	01/28/2010
8231120	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/28/2010
8231119	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/28/2010
8231119	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/28/2010
8231118	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/28/2010
8231118	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/28/2010
8231117	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/29/2010
8231117	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/29/2010
8231116	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/29/2010
8231116	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/29/2010
8231115	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/29/2010
8231115	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/29/2010
8231121	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	01/28/2010
8231121	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	01/28/2010

SPECTRA LABORATORIES

  
Steve Hibbs, Laboratory Manager  
a8/sej

PAGE LofL

CHAIN OF CUSTODY RECORD

POINT  
RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407  
Phone: 253-752-2185 Fax: 253-752-7083

20100200 28

PROJ. NO	PROJECT NAME					NO. OF CONTAINERS	REMARKS
AIR MONITORING	POINT RUSTON, LLC Hi-VOL						
SAMPLERS: (Signature)	<i>Dunk</i>						
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
1/25/10	SG		/		8231130	1	
1/25/10	OCF-VI		✓		8231129	1	
1/25/10	OCF-NW		✓		8231128	1	PLEASE Email Results
1/26/10	SG		✓		8231127	1	
1/26/10	OCF-VI		/		8231126	1	
1/26/10	OCF-NW		✓		8231125	1	
1/27/10	OCF-VI		✓		8231123	1	
1/27/10	OCF-NW		✓		8231122	1	
1/28/10	SG		✓		8231120	1	
1/28/10	OCF-VI		✓		8231119	1	
1/28/10	OCF-NW		✓		8231118	1	
1/29/10	SG		✓		8231117	1	
1/29/10	OCF-VI		✓		8231116	1	
1/29/10	OCF-NW		✓		8231115	1	
1/28/10	CONTROL		✓		8231121	1	
Relinquished (Signature)			Date/Time		Received by: (Signature)	Lab	Shipped via: FedEx, UPS or Other _____ Air Bill # _____
<i>R. D. Dunk</i>			2-2-10 10:21 AM		<i>Marcie Holt</i>	<i>Spectra</i>	
Relinquished (Signature)			Date/Time		Received by: (Signature)	Remarks	
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)	Date/Time	Enclosed:
							<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
Split Samples: [ ]Accepted [ ]Declined _____							
Signature _____							

# SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

FEB 18 2010

02/12/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)  
Date Received: 02/08/2010  
Spectra Project: 2010020160

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8231114	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/01/2010
8231114	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/01/2010
8231113	2	Arsenic	0.06	µg/m3	SW846 6010B	Filter	02/01/2010
8231113	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/01/2010
8231112	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/01/2010
8231112	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/01/2010
8231111	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/02/2010
8231111	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/02/2010
8231110	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/02/2010
8231110	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/02/2010
8231109	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/02/2010
8231109	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/02/2010
8231108	7	Arsenic	0.07	µg/m3	SW846 6010B	Filter	02/03/2010
8231108	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/03/2010
8231107	8	Arsenic	0.05	µg/m3	SW846 6010B	Filter	02/03/2010
8231107	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/03/2010

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a8/scj



# SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

02/12/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)  
Date Received: 02/08/2010  
Spectra Project: 2010020160

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8231106	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/03/2010
8231106	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/03/2010
8231105	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/04/2010
8231105	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/04/2010
8231104	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/04/2010
8231104	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/04/2010
8231103	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/04/2010
8231103	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/04/2010
8231102	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/05/2010
8231102	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/05/2010
8231101	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/05/2010
8231101	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/05/2010
8231100	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/05/2010
8231100	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/05/2010
8293899	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	02/05/2010
8293899	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	02/05/2010

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

PAGE Lof 2

CHAIN OF CUSTODY RECORD

2610020160  
POINT  
RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407  
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO	PROJECT NAME					NO. OF CONTAINERS	REMARKS
Air MONITORING	POINT RUSTON, LLC Hi-VOL						
SAMPLERS: (Signature)	<i>J. L. Ruhn</i>						
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
4/1/10	SG		✓		8231114	1	✓
4/1/10	OCF-VI		✓		8231113	1	✓
4/1/10	OCF-NW		✓		8231112	1	✓
4/2/10	SG		✓		8231111	1	✓
4/2/10	OCF-VI		✓		8231110	1	✓
4/2/10	OCF-NW		✓		8231109	1	✓
4/3/10	SG		✓		8231108	1	✓
4/3/10	OCF-VI		✓		8231107	1	✓
4/3/10	OCF-NW		✓		8231106	1	✓
4/4/10	SG		✓		8231105	1	✓
4/4/10	OCF-VI		✓		8231104	1	✓
4/4/10	OCF-NW		✓		8231103	1	✓
4/5/10	SG		✓		8231102	1	✓
4/5/10	OCF-VI		✓		8231101	1	✓
4/5/10	OCF-NW		✓		8298900	1	✓
Relinquished (Signature)	Date/Time			Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other _____ Air Bill # _____
<i>J. L. Ruhn</i>	4-8-10 2:39			<i>Mary Wolf</i>		<i>Sectra</i>	
Relinquished (Signature)	Date/Time			Received by: (Signature)		Remarks	
Relinquished (Signature)	Date/Time			Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
Split Samples: [ ]Accepted [ ]Declined _____							
Signature _____							

PAGE 2 OF 2

## **CHAIN OF CUSTODY RECORD**

2010020110

**POINT  
RUSTON**

5219 N. Shirley St., Suite 100      Tacoma, WA 98407  
Phone: 253-752-2185      Fax: 253-752-7083

# SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

RECEIVED  
MAR 02 2010  
BY:

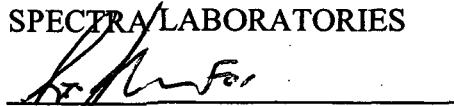
02/26/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100.  
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)  
Date Received: 02/16/2010  
Spectra Project: 2010020290

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8293898	1	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/08/2010
8293898	1	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/08/2010
8293897	2	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/08/2010
8293897	2	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/08/2010
8293896	3	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/08/2010
8293896	3	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/08/2010
8293895	4	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/09/2010
8293895	4	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/09/2010
8293894	5	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/09/2010
8293894	5	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/09/2010
8293893	6	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/09/2010
8293893	6	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/09/2010
8293892	7	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/10/2010
8293892	7	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/10/2010
8293891	8	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	02/10/2010
8293891	8	Lead	< 0.05	µg/m³	SW846 6010B	Filter	02/10/2010

SPECTRA LABORATORIES

  
Steve Hibbs, Laboratory Manager  
a8/scj



# SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

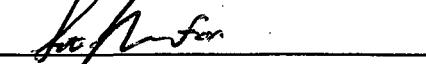
02/26/2010

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)  
Date Received: 02/16/2010  
Spectra Project: 2010020290

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8293890	9	Arsenic	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/10/2010
8293890	9	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/10/2010
8293889	10	Arsenic	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/11/2010
8293889	10	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/11/2010
8293888	11	Arsenic	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/11/2010
8293888	11	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/11/2010
8293887	12	Arsenic	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/11/2010
8293887	12	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/11/2010
8293886	13	Arsenic	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/12/2010
8293886	13	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/12/2010
8293885	14	Arsenic	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/12/2010
8293885	14	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/12/2010
8293884	15	Arsenic	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/12/2010
8293884	15	Lead	< 0.05	µg/m <sup>3</sup>	SW846 6010B	Filter	02/12/2010

SPECTRA LABORATORIES

  
Steve Hibbs, Laboratory Manager

a8/scj

## CHAIN OF CUSTODY RECORD

PAGE 1 of 1

2010020290

**POINT  
RUSTON**

 5219 N. Shirley St., Suite 100  
 Phone: 253-752-2185  
 Tacoma, WA 98407  
 Fax: 253-752-7083

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS	
Air Monitoring		POINT RUSTON, LLC Hi-VOL				AS PB
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	
4/8/10	SG		✓		8293898	
4/8/10	OCF-VI		✓		8293897	
4/8/10	OCF-NW		✓		8293896	
4/9/10	SG		✓		8293895	
4/9/10	OCF-VI		✓		8293894	
4/9/10	OCF-NW		✓		8293893	
4/10/10	SG		✓		8293892	
4/10/10	OCF-VI		✓		8293891	
4/10/10	OCF-NW		✓		8293890	
4/11/10	SG		✓		8293889	
4/11/10	OCF-VI		✓		8293888	
4/11/10	OCF-NW		✓		8293887	
4/12/10	SG		✓		8293886	
4/12/10	OCF-VI		✓		8293885	
4/12/10	OCF-NW		✓		8293884	
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab 02/10/10 11:00 Spectra	Shipped via: FedEx, UPS or Other _____ Air Bill # _____
Relinquished (Signature)		Date/Time	Received by: (Signature)		Remarks	
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
						Split Samples: <input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Declined _____



Weekly Site Inspection Report No. 2010-0131  
 Week of 1/31 - 2/10, 2010 Inspector TIM RUSHER  
 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS	
Gates:					
North (electric)	G	F	P	Y	N
South (electric)	G	F	P	Y	N
Pond	G	F	P	Y	N
Peninsula	G	F	P	Y	N
54' (Other) FEET	G	F	P	Y	N
Signage:					
Gates	G	F	P	Y	N
Perimeter	G	F	P	Y	N
Safety	G	F	P	Y	N
(Other)	G	F	P	Y	N
Public Streets:					
Ruston Way	G	F	P	Y	N
51 <sup>st</sup> & Gallagher	G	F	P	Y	N
Stack Hill	G	F	P	Y	N
(Other)	G	F	P	Y	N
BMPs:					
Berms	G	F	P	Y	N
Waddles	G	F	P	Y	N
Silt Fence	G	F	P	Y	N
(Other)	G	F	P	Y	N
Strom drains clean:					
Lower Site	G	F	P	Y	N
Stack Hill	G	F	P	Y	N
Stockpiles:					
Envirotac II	G	F	P	Y	N
Plastic	G	F	P	Y	N
Packed	G	F	P	Y	N
Grass	G	F	P	Y	N
Dust:					
Traffic areas	G	F	P	Y	N
Excavation area	G	F	P	Y	N
(Other)	G	F	P	Y	N
Fencing:					
Site Perimeter	G	F	P	Y	N
Zone Separation	G	F	P	Y	N
(Other)	G	F	P	Y	N

**Weekly Site Inspection Report No. 2010-0131**  
**Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)**

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
<b>Docks:</b> Barriers Signs (Other)	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N
<b>Cameras:</b> <u>STACK HILL</u> <u>LOWERSITE</u>	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N
<b>Health &amp; Safety Plans:</b> Site Superintendent Construction Super. Other	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

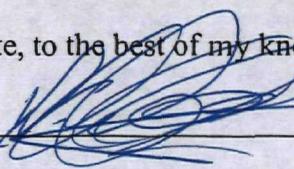
**Misc. notes:**

**WEATHER:**

Day of Week	Summary of Weather Conditions
Sunday 3/1	45/52 SSW WIND 0 mph/GUST 8 mph, PRECIP. EARLY MORN. 0.04"
Monday 2/1	40/48 NNE WIND 4 mph/GUST 5 mph, NO PRECIPITATION
Tuesday 2	42/50 NNE WIND 4 mph/GUST 6 mph, NO PRECIPITATION
Wednesday 3	42/47 NNE WIND 4 mph/GUST 5 mph, PRECIP. AFTERNOON 0.16"
Thursday 4	42/53 NNE WIND 3 mph/GUST 5 mph, PRECIP. EVE 0.08"
Friday 5	45/55 SE WIND 5 mph/GUST 8 mph, PRECIP. MORNING 0.08"
Saturday 6	40/50 SW WIND 5 mph/GUST 7 mph, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 2/8/10

SIGNED: 

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT/HEALTH + SAFETY OFFICER



# Point Ruston

Weekly Site Inspection Report No. 2010-0207

Week of 4/7 - 4/13, 2010 Inspector Tim Ruster

## Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates:					
North (electric)	(G)	F	P	Y	(N)
South (electric)	(G)	F	P	Y	(N)
Pond	(G)	F	P	Y	(N)
Peninsula	(G)	F	P	Y	(N)
5th (Other) <i>ELVET.</i>	(G)	F	P	Y	(N)
Signage:					
Gates	(G)	F	P	Y	(N)
Perimeter	(G)	F	P	Y	(N)
Safety	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
Public Streets:					
Ruston Way	(G)	F	P	Y	(N)
51 <sup>st</sup> & Gallagher	(G)	F	P	Y	(N)
Stack Hill	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
BMPs:					
Berms	(G)	F	P	Y	(N)
Waddles	(G)	F	P	Y	(N)
Silt Fence	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
Strom drains clean:					
Lower Site	(G)	F	P	Y	(N)
Stack Hill	(G)	F	P	Y	(N)
Stockpiles:					
Envirotac II	(G)	F	P	Y	(N)
Plastic	(G)	F	P	Y	(N)
Packed	(G)	F	P	Y	(N)
Grass	(G)	F	P	Y	(N)
Dust:					
Traffic areas	(G)	F	P	Y	(N)
Excavation area	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
Fencing:					
Site Perimeter	(G)	F	P	Y	(N)
Zone Separation	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N

*CONDITIONS ARE WET  
" " "(WATER MIST)*

**Weekly Site Inspection Report No. 2010-0207**  
**Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)**

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Docks:					
Barriers	G	F	P	Y	N
Signs	G	F	P	Y	N
(Other)	G	F	P	Y	N
Cameras:					
Stack Hse	G	F	P	Y	N
Lowdr Site	G	F	P	Y	N
	G	F	P	Y	N
Health & Safety Plans:					
Site Superintendent	G	F	P	Y	N
Construction Super.	G	F	P	Y	N
Other	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

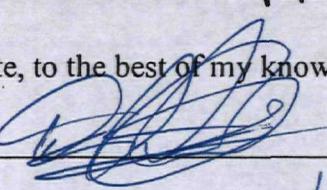
Misc. notes: POT - HOLE DEVELOPED AT NORTH END OF RUSTON WAY  
 ROAD PATCH, SITE CREW REPAIRED IN TIMELY MANNER.

**WEATHER:**

Day of Week	Summary of Weather Conditions
Sunday 7	76/53 SW WIND 4 MPH/GUST 5 MPH, NO PRECIPITATION
Monday 8	71/49 NNW WIND 4 MPH/GUST 5 MPH, NO PRECIPITATION
Tuesday 9	76/46 NNE WIND 4 MPH/GUST 5 MPH, NO PRECIPITATION
Wednesday 10	73/45 SSE WIND 5 MPH/GUST 6 MPH, PRECIP. EVE. 0.04"
Thursday 11	72/54 SW WIND 5 MPH/GUST 8 MPH, PRECIP. SCATTERED 0.1"
Friday 12	72/54 SW WIND 8 MPH/GUST 15 MPH, PRECIP. SCATTERED 0.5"
Saturday 13	74/49 SE WIND 5 MPH/GUST 6 MPH, PRECIP. SCATTERED 0.04"

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 2/15/10

SIGNED: 

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH & SAFETY OFFICER



# Weekly Site Inspection Report No. 2010-0214

Week of 2/14 - 2/20, 2010

Inspector Tim RUSHER

## Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS	
Gates: North (electric) South (electric) Pond Peninsula <del>54<sup>th</sup> (Other) ELECT</del>	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
Signage: Gates Perimeter Safety (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
Public Streets: Ruston Way 51 <sup>st</sup> & Gallagher Stack Hill (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
BMPs: Berms Waddles Silt Fence (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
Strom drains clean: Lower Site Stack Hill	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
Stockpiles: Envirotac II Plastic Packed Grass	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
Dust: Traffic areas Excavation area (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N
Fencing: Site Perimeter Zone Separation (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N

**Weekly Site Inspection Report No. 2010-0214**  
**Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)**

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
<b>Docks:</b> Barriers Signs (Other)	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N
<b>Cameras:</b> <u>STACK SITE</u> <u>LOWERSITE</u>	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N
<b>Health &amp; Safety Plans:</b> Site Superintendent Construction Super. Other	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

**Misc. notes:**

**WEATHER:**

Day of Week	Summary of Weather Conditions
Sunday 14	43/55 SSW WIND 6 mph/GUST 8 mph, PRECIP. MORN. 0.08"
Monday 15	39/52 NNE WIND 3 mph/GUST 4 mph, NO PRECIPITATION
Tuesday 16	40/56 SW WIND 8 mph/GUST 10 mph, PRECIP. MORN. 0.12"
Wednesday 17	40/49 NNE WIND 8 mph/GUST 11 mph, NO PRECIPITATION
Thursday 18	41/56 NNE WIND 6 mph/GUST 9 mph, NO PRECIPITATION
Friday 19	39/55 NNE WIND 5 mph/GUST 7 mph, NO PRECIPITATION
Saturday 20	35/54 NNE WIND 4 mph/GUST 6 mph, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 2/22/10

SIGNED:

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH + SAFETY OFFICER



Weekly Site Inspection Report No. 2010-0221

Week of 2/21 - 27, 2010

Inspector TIM RUSHER

**Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)**

INSPECTION AREA	OVERAL CONDITION	NEED REPAIR?	COMMENTS/OBSERVATIONS	
Gates: <i>51<sup>st</sup></i> North (electric) South (electric) Pond Peninsula <i>54<sup>th</sup></i> (Other) <i>ELECT</i>	G F P G F P G F P G F P G F P	Y N Y N Y N Y N Y N		
Signage:				
Gates Perimeter Safety (Other)	G F P G F P G F P G F P	Y N Y N Y N Y N		
Public Streets:				
Ruston Way 51 <sup>st</sup> & Gallagher Stack Hill (Other)	G F P G F P G F P G F P	Y N Y N Y N Y N		
BMPs:				
Berms Waddles Silt Fence (Other)	G F P G F P G F P G F P	Y N Y N Y N Y N		
Strom drains clean:				
Lower Site Stack Hill	G F P G F P	Y N Y N		
Stockpiles:				
Envirotac II Plastic Packed Grass	G F P G F P G F P G F P	Y N Y N Y N Y N		
Dust:				
Traffic areas Excavation area (Other)	G F P G F P G F P	Y N Y N Y N		
Fencing:				
Site Perimeter Zone Separation (Other)	G F P G F P G F P	Y N Y N Y N	<i>Need More EXCLUSION ZONE SIGNAGE AROUND S-GATE SEDIMENT POND.</i>	

**Weekly Site Inspection Report No. 2010-0221**  
**Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)**

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
<b>Docks:</b> Barriers Signs (Other)	G	F	P	Y	N
	G	(F)	P	(Y)	N
	G	F	P	Y	N
<b>Cameras:</b> <u>STACK HIN</u> <u>LOW OVER SITE</u>	G	F	P	Y	N
	G	F	(P)	(Y)	N
	G	F	P	Y	N
<b>Health &amp; Safety Plans:</b> Site Superintendent Construction Super. Other					CURRENTLY BEING UPDATED AS TIME PERMITS
	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N

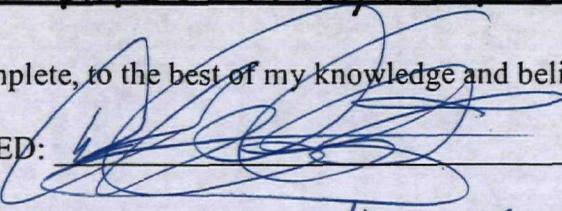
G=Good F=Fair P=Poor Y=Yes N=No

**Misc. notes:**


**WEATHER:**

Day of Week	Summary of Weather Conditions
Sunday 21	33/45° NE WIND 5 mph/GUST 6 mph, NO PRECIPITATION
Monday 22	32/45° SW WIND 4 mph/GUST 5 mph, NO PRECIPITATION
Tuesday 23	36/47° SW WIND 5 mph/GUST 5 mph, PRECIP AFTER NOON 0.01"
Wednesday 24	43/52° SW WIND 8 mph/GUST 10 mph, PRECIP SCATTERED 0.3"
Thursday 25	44/56° SSW WIND 6 mph/GUST 8 mph, NO PRECIPITATION
Friday 26	46/50° NE WIND 4 mph/GUST 6 mph, PRECIP. SCATTERED 0.08"
Saturday 27	45/56° SW WIND 7 mph/GUST 9 mph, PRECIP. EVE 0.35"

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 3/1/2010 SIGNED: 

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH + SAFETY OFER.